

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,807,715
DATED : September 15, 1998
INVENTOR(S) : S.L. Morrison, Herzenberg, L.A. and Oi, V.T.

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, Item [54] and Column 1, Lines 1 and 5.

Item [54], delete "LYMPHOCYTE" and replace with -- LYMPHOCYTIC --; after "IMMUNOGLOBULIN", add -- AND FRAGMENTS --.

Item [75], Inventors, delete "Scarsdale, N.Y." and replace with -- Los Angeles --; delete "Menlo Park" and replace with -- Mountain View --; delete "both" and replace with -- all --.

Item [73], Assignee, delete "Assignee" and replace with -- Assignees --; after "Calif." add -- , and The Trustees of Columbia University, New York, N.Y. --.

Item [56], **References Cited**, after "Seno, et al 1983 Nucleic", delete "Acid" and replace with -- Acids --; after "Research 11 (3)", delete ";" and replace with -- . --; and after "Dolby et al 1980 PNAS 77 (10)" add -- : --.

Column 1.

Line 16, add the paragraph -- The work described herein was supported in part by grants from the National Institutes of Health (NIH), including AI-00408, AI-08917, CA-04681, and CA-16858. The United States Government has certain rights in the invention. --

Line 19, delete "1."

Line 41, delete "2."

Line 61, after "functional", add -- , --; after "assembled", add -- , --.

Line 66, delete "mouse-" and replace with -- mouse: --

Line 67, delete ":".

Column 3.

Line 26, delete "prepar" and replace with -- prepara --.

Line 32, delete "CDNA" and replace with -- cDNA --.

Column 4.

Line 45, delete "CDNA" and replace with -- cDNA --.

Line 52, delete "CDNA" and replace with -- cDNA --.

Line 59, delete "CDNA" and replace with -- cDNA --.

Line 65, delete "Joining" and replace with -- joining ---.

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Column 8,

Line 2, after "immunization", add -- , --.
Line 21, delete "VH" and replace with -- V_H --.
Line 22, delete "V κ " and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 24, delete "VH" and replace with -- V_H --.
Line 29, delete "V κ " and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 31, delete "J κ " and replace with -- J_κ -- (Greek letter kappa subscripted); delete "C κ " and replace with -- C_κ --. (Greek letter kappa subscripted).

Column 9,

Line 9, delete "Five" and replace with -- Fine --; delete "Chamicals" and replace with -- Chemicals --.
Line 19, delete "VH-VL" and replace with -- V_H-V_L --.
Line 57, delete "H2L2" and replace with -- H_2L_2 --.
Line 67, delete "K" and replace with -- κ --; delete "antiodies" and replace with -- antibodies --.

Column 10,

Line 5, after "expected" add -- , --.
Line 10, delete "VH" and replace with -- V_H --; delete "V κ " and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 14, delete "mouse: human" and replace with -- mouse:human --.
Line 22, delete "VH" and replace with -- V_H --; delete "V κ " and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 36, delete "Mr" and replace with -- M_r --.
Line 42, delete "Mr" and replace with -- M_r --.
Line 54, delete "hybri-doma-" and replace with -- hybridoma --.

05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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Column 11.

Line 5, delete "Vκ" and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 10, delete "mouse: human" and replace with -- mouse:human --.
Line 21, delete "use" and replace with -- used --.
Line 35, delete "IgG₁, IgG₂, IgG₃, IgG₄, rabbit IgG and mouse IgG₃" and replace with -- IgG₁, IgG₂, IgG₃; IgG₄, rabbit IgG and mouse IgG₃ --.
Line 37, delete "(delta)" and replace with -- Δ -- (Greek letter capital delta).
Line 41, delete "VK" and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 43, after "Ann" add -- . --.
Line 44, delete "Vκ" and replace with -- V_κ -- (Greek letter kappa subscripted).
Line 60, delete "pure, >95%" and replace with -- pure (>95%) --.
Line 63, delete "mouse-human" and replace with -- mouse:human --.
Line 64, delete "IgG₃" and replace with -- IgG₃ --.

Column 12.

Line 3, delete "IgG₁" and replace with -- IgG₁ --.
Line 10, delete "affinity purified" and replace with -- affinity-purified --.
Line 22, delete "labelling" and replace with -- labeling --.
Line 26, delete "pp." and replace with -- p. --.
Line 31, after "Kornfeld" add -- , --.
Line 32, delete "Wigzell *Proc.*" and replace with -- Wigzell, *Proc.* --.
Line 33, after "et al." add -- , --.
Line 42, delete "IgG₁-IgG_{2a}" and replace with -- IgG₁-IgG_{2a} --.
Line 64, delete "IgG₁" and replace with -- IgG₁ --; delete "IgG_{2a}" and replace with -- IgG_{2a} --.
Line 65, delete "IgG_{2a}" and replace with -- IgG_{2a} --; delete "IgG₁" and replace with -- IgG₁ --.

Column 13.

Line 4, delete "T₄" and replace with -- T₄ --.
Line 43, after "Gilbert" add -- , --.
Line 65, delete "Dangi" and replace with -- Dangl --.

Column 14.

Line 24, delete "bateria" and replace with -- bacteria --.
Line 41, delete "C." and replace with -- C --.
Line 53, delete "labelled" and replace with -- labeled --.

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Column 15.

Line 5, delete "IgG₁" and replace with -- IgG₁ --; delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Line 25, delete "pHGXC_{Y2}aB" and replace with -- pHGXC_{Y1}B -- .

Line 27, delete "Trp" and replace with -- TRP⁺ --.

Line 39, delete "Trp" and replace with -- TRP⁺ --.

Line 44, delete "IgG₁" and replace with -- IgG₁ --.

Line 45, delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Line 49, delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Line 50, delete "IgG₁" and replace with -- IgG₁ --.

Line 46, delete "-7" and replace with -- ⁻⁷ --.

Column 16.

Line 2, delete "IgG₁" and replace with -- IgG₁ --.

Line 3, delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Line 18, delete "Mr" and replace with -- M_r --.

Line 29, delete "are" and replace with -- is --; delete "IgG₁" and replace with -- IgG₁ --.

Line 30, delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Line 44, delete "IgG_{2a}" and replace with -- IgG_{2a} --.

Column 17.

Line 63, delete "P₃" and replace with -- P₃ --.

Column 18.

Line 57, delete "P₃" and replace with -- P₃ --.

Column 19.

Line 33, delete "P₃" and replace with -- P₃ --.

Column 20.

Line 50, delete "39" and replace with -- 37 --.

Line 52, delete "are".

Line 53, delete "are".

Line 58, delete "are".

Line 59, delete "are"

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Column 21,

Line 13, shift line beginning with "express" to left margin.

Line 14, shift line beginning with "specifically" to left margin.

Line 29, delete "arc" and replace with -- are --.

Column 22,

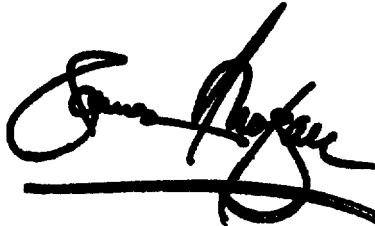
Line 43, delete "arc" and replace with -- are --.

This certificate supersedes the Certificate of Correction issued July 9, 2002.

Signed and Sealed this

Sixth Day of August, 2002

Attest:



Attesting Officer

JAMES E. ROGAN
Director of the United States Patent and Trademark Office